Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	08/31/2021 08:49 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	06/17/2021 09:50 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	12757	Expiration Date:	06/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124779	-1	1.26	124703	1.21
Blue	F	SSC	125000	124222	-1	2.71	124467	2.48
Blue	E	FITC	13131	12746	-3	2.33	297	14.97
Blue	D	PE	24112	23809	-2	1.71	546	10.84
Blue	B	PerCP-Cy5-5	31295	30495	-3	3.04	1012	14.22
Blue	A	PE-Cy7	19939	19965	0	5.24	532	29.02
Red	C	APC	42122	41573	-2	2.98	1744	11.31
Red	A	APC-Cy7	22340	21807	-3	3.31	814	11.44
Violet	B	V450	7410	7072	-5	3.57	435	12.45
Violet	A	V500	28118	27239	-4	3.24	685	9.58

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23101	1.17	569	0	N/A	N/A	Pass
Blue	F	SSC	57950	1.05	519	7	N/A	N/A	Pass
Blue	E	FITC	55	53.22	486	-1	0.0474	158	Pass
Blue	D	PE	115	36.61	489	1	0.3891	279	Pass
Blue	B	PerCP-Cy5-5	189	35.67	584	-2	0.0211	106	Pass
Blue	A	PE-Cy7	107	67.21	628	0	0.0221	0	Pass
Red	C	APC	404	23.50	577	1	0.0282	156	Pass
Red	A	APC-Cy7	182	27.05	551	0	0.0066	1071	Pass
Violet	B	V450	61	60.89	453	0	0.0578	2031	Pass
Violet	A	V500	99	34.59	465	0	0.0294	1198	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	08/31/2021 08:49 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	06/17/2021 09:50 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.54	-31.46	1.11
Blue	20.37	16.28 - 24.42	1.29	1.02 - 1.52	0.00	0.00	1.43
Red	15.30	13.60 - 20.40	N/A	N/A	29.79	30.01	1.23

Window Extension: 7.00
FSC Area Scaling Factor: 0.75

Threshold

Threshold (FSC): 10151

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments